

THAT WHICH IS CLAIMED IS

1. A method for collecting, storing, and displaying particle measurement data from a plurality of particle measuring instruments comprising:

repeatedly measuring particles from a plurality of remote locations;

calculating an accumulated particle count and a differential particle count for each remote location;

determining process data other than particle measurements from a plurality of remote process data measuring locations;

transmitting accumulated particle counts and differential particle counts and process data from each remote location via a computer network, wherein transmitting the process data comprises providing the process data to the computer network in a manner independent of the accumulated particle counts and differential particle counts;

storing accumulated particle counts, differential particle counts, and process data; and

displaying at least some of the accumulated particle counts, differential particle counts, and process data graphically.

2. A method according to claim 1 wherein said displaying step further comprises selectively displaying at least one of the differential particle counts and the accumulated particle counts.

3. A method according to claim 1 wherein said measuring step includes discriminating particle counts by particle size.

4. A method according to claim 3 wherein said displaying step further comprises selectively displaying accumulated particle counts for a predetermined particle size.

5. A method according to claim 1 wherein said determining step includes determining process data including a relative humidity, a temperature, and a pressure.

6. A method according to claim 1 wherein said transmitting step includes transmitting instrument data other than particle counts from a plurality of particle measuring instruments, wherein the method further comprises parsing the accumulated particle counts from the instrument data, and wherein said storing step includes storing accumulated particle counts and associating a respective name with the accumulated particle counts according to the instrument data relating thereto.

7. A method according to claim 6 further comprising identifying and monitoring erroneous instrument data.

8. A method according to claim 7 wherein said displaying step includes displaying a graphic representation of erroneous instrument data.